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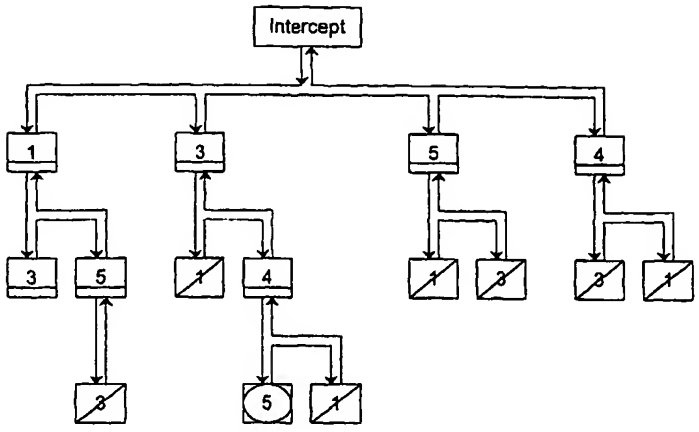
(54) Title: METHOD FOR MODELLING LIFE OF A PIECE OF EQUIPMENT IN AN INDUSTRIAL PLANT, METHOD FOR PERFORMING MAINTENANCE ON AN INDUSTRIAL PLANT AND MAINTENANCE-SYSTEM



(57) Abstract: Method for determining the probable life of a piece of equipment in an industrial plants which uses multiple regression analysis to express an expected life in terms of variables relevant for the life. And Method for performing maintenance on an industrial plant, whereby operational data and/or design data of the industrial plant is fed into a system, which generates at least one value for an expected life of one piece of equipment of the industrial plant and whereby the piece of equipment is exchanged when the actual life equates to the predicted life or a value derived from the predicted life, whereby- the system uses a formula of the type used in multiple regression analysis, expressing the expected life in terms of variables relevant for the life using factors of influence and- the factors of influence are found by performing a multiple regression analysis using data collected for variables relevant for the life and the according life.

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